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| US 20010049623 A1 | 20011206 | CONTENT BASED METHOD FOR PRODUCT-PEER FILTERING   | 705/14    | AGGARWAL, CHARU C. et al.      |
| US 6356879 B2     | 20020312 | Content based method for product-peer filtering   | 705/26    | Aggarwal, Charu C. et al.      |
| US 6487541 B1     | 20021126 | System and method for collaborative filtering with applications to e-commerce   | 705/26    | Aggarwal, Charu Chandra et al. |
| US 6289354 B1     | 20010911 | System and method for similarity searching in high-dimensional data space   | 707/104.1 | Aggarwal, Charu Chandra et al. |
| US 6236985 B1     | 20010522 | System and method for searching databases with applications such as peer groups, collaborative filtering, and e-commerce  | 707/2     | Aggarwal, Charu Chandra et al. |
| US 6233575 B1     | 20010515 | Multilevel taxonomy based on features derived from training documents classification using fisher values as discrimination values   | 707/6     | Agrawal, Rakesh et al.         |
| US 6195622 B1     | 20010227 | Methods and apparatus for building attribute transition probability models for use in pre-fetching resources  | 703/2     | Altschuler, Steven J. et al.   |
| US 6154767 A      | 20001128 | Methods and apparatus for using attribute transition probability models for pre-fetching resources  | 709/203   | Altschuler, Steven J. et al.   |
| US 6088718 A      | 20000711 | Methods and apparatus for using resource transition probability models for pre-fetching resources   | 709/203   | Altschuler, Steven J. et al.   |
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| US 6078892 A      | 20000620 | Method for customer lead selection and optimization   | 705/10    | Anderson, Gary Floyd et al.    |
| US 6014654 A      | 20000111 | Information filtering apparatus for filtering information for interests of users and a method therefor  | 706/62    | Arlyoshi, Yusuke               |
| US 5872850 A      | 19980917 | Method for calculating similarity factor between first and second users - retrieves from memory profile of each item rated by 1st user and determines from retrieved file if 2nd user has previously rated items    |           | BERGH, C P et al.              |
| US 6112186 A      | 20000829 | Distributed system for facilitating exchange of user information and opinion using automated collaborative filtering  | 705/10    | Bergh, Christopher P. et al.   |
| US 6321221 B1     | 20011120 | System, method and article of manufacture for increasing the user value of recommendations  | 707/5     | Bieganski, Paul                |
| US 6412012 B1     | 20020625 | System, method, and article of manufacture for making a compatibility-aware recommendations to a user   | 709/232   | Bieganski, Paul et al.         |
| US 6334127 B1     | 20011225 | System, method and article of manufacture for making serendipity-weighted recommendations to a user   | 707/5     | Bieganski, Paul et al.         |
| US 6185551 B1     | 20010206 | Web-based electronic mail service apparatus and method using full text and label indexing   | 707/3     | Birrell, Andrew D. et al.      |
| US 5864683 A      | 19990126 | System for providing secure internetwork by connecting type enforcing secure computers to external network for limiting access to data based on user and process access rights                                      | 709/249   | Boebert, William E. et al.     |
| US 6353813 B1     | 20020305 | Method and apparatus, using attribute set harmonization and default attribute values, for matching entities and predicting an attribute of an entity  | 706/12    | Breese, John S. et al.         |
| US 6345264 B1     | 20020205 | Methods and apparatus, using expansion attributes having default, values, for matching entities and predicting an attribute of an entity  | 706/21    | Breese, John S. et al.         |
| US 6144964 A      | 20001107 | Methods and apparatus for tuning a match between entities having attributes   | 707/10    | Breese, John S. et al.         |
| US 6018738 A      | 20000125 | Methods and apparatus for matching entities and for predicting an attribute of an entity based on an attribute frequency value  | 707/100   | Breese, John S. et al.         |
| US 6006218 A      | 19991221 | Methods and apparatus for retrieving and/or processing retrieved information as a function of a user's estimated knowledge  | 707/3     | Breese, John S. et al.         |

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| US 55955943 A     | 19991130 | Information aggregation and synthesis system   | 705/14  | Bull, David Stanley et al.       |
| US 55937397 A     | 19990810 | Social learning interfering engine for intelligent agent environment   | 706/10  | Callaghan, Patrick               |
| US 6154736 A      | 20001128 | Belief networks with decision graphs   | 706/59  | Chickering, David Maxwell et al. |
| WO 9833135 A      | 19980730 | Method for recommending user unrated item to one of several users - uses factors representing similarity between user and other users, selects neighbouring users for user in response to these factors, assigns weight to neighbouring users, recommends item to user based on assigned weights and ratings |         | CHISLENKO, A et al.              |
| US 6092049 A      | 20000718 | Method and apparatus for efficiently recommending items using automated collaborative filtering and feature-guided automated collaborative filtering   | 705/10  | Chislenko, Alexander et al.      |
| US 6041311 A      | 20000321 | Method and apparatus for item recommendation using automated collaborative filtering   | 705/27  | Chislenko, Alexander et al.      |
| US 6449632 B1     | 20020910 | Apparatus and method for agent-based feedback collection in a data broadcasting network  | 709/202 | David, Esther et al.             |
| US 6317718 B1     | 20011113 | System, method and article of manufacture for location-based filtering for shopping agent in the physical world  | 705/1   | Fano, Andrew Ernest              |
| US 5595951 A      | 19991130 | Network collaboration method and apparatus   | 706/10  | Ferguson, Bradley                |
| US 6453419 B1     | 20020917 | System and method for implementing a security policy   | 713/201 | Flint, Andrew et al.             |
| US 6177932 B1     | 20010123 | Method and apparatus for network based customer service  | 345/733 | Galdes, Frank A. et al.          |
| US 6275811 B1     | 20010814 | System and method for facilitating interactive electronic communication through acknowledgment of positive contributive  | 705/10  | Ginn, Michael R.                 |
| US 6219707 B1     | 20010417 | System and method for achieving network separation   | 709/225 | Gooderum, Mark P. et al.         |
| US 55918018 A     | 19990629 | System and method for achieving network separation   | 709/225 | Gooderum, Mark P. et al.         |
| US 6332195 B1     | 20011218 | Secure server utilizing separate protocol stacks   | 713/201 | Green, Michael W. et al.         |
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| US 20010013009 A1 | 20010809 | SYSTEM AND METHOD FOR COMPUTER-BASED MARKETING   | 705/10  | GREENING, DANIEL R. et al.       |
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| US 5704017 A      | 19971230 | Collaborative filtering utilizing a belief network   | 706/12  | Heckerman, David E. et al.       |
| US 20010014868 A1 | 20010816 | SYSTEM FOR THE AUTOMATIC DETERMINATION OF CUSTOMIZED PRICES AND PROMOTIONS   | 705/14  | HERZ, FREDERICK et al.           |
| US 6460036 B1     | 20021001 | System and method for providing customized electronic newspapers and target advertisements   | 707/10  | Herz, Frederick S. M.            |

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| US 6182133 B1 | 20010130 | Method and apparatus for display of information prefetching and cache status having variable visual indication based on a period of time since prefetching  | 709/223 | Horvitz, Eric               |
| US 6085226 A  | 20000704 | Method and apparatus for utility-directed prefetching of web pages into local cache using continual computation and user models   | 709/203 | Horvitz, Eric               |
| US 6067565 A  | 20000523 | Technique for prefetching a web page of potential future interest in lieu of continuing a current information download  | 709/218 | Horvitz, Eric               |
| US 6195692 B1 | 20010227 | Television/Internet system having multiple data stream connections  | 709/219 | Hsu, P. Robert              |
| US 6317722 B1 | 20011113 | Use of electronic shopping carts to generate personal recommendations   | 705/14  | Jacobi, Jennifer A. et al.  |
| US 5872850 A  | 19990216 | System for enabling information marketplace   | 705/51  | Klein, Saul Charles et al.  |
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| US 6108493 A  | 20000822 | System, method, and article of manufacture for utilizing implicit ratings in collaborative filters  | 705/1   | Miller, Bradley N. et al.   |
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| US 6266667 B1 | 20010724 | Information routing   | 725/91  | Payton, David W.            |
| US 5790935 A  | 19980804 | Virtual on-demand digital information delivery system and method  | 713/1   | Plutowski, Mark E           |
| US 6473851 B1 | 20021029 | System for combining plurality of input control policies to provide a compositional output control policy   | 713/201 | Reid, Irving et al.         |
| US 6182226 B1 | 20010130 | System and method for controlling interactions between networks   |         | ROBINSON, G B               |
| US 5918014 A  | 19970724 | Automated collaborative filtering for selective World Wide Web advertising - using characteristics of user's activities in interactive medium to assign them to community of people of similar likes and then display advert determined to be of interest |         |                             |
| US 5918014 A  | 19990629 | Automated collaborative filtering in world wide web advertising   | 709/219 | Robinson, Gary B.           |
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| US 5790426 A  | 19980804 | Automated collaborative filtering system  | 702/179 | Robinson, Gary B.           |
| US 6202058 B1 | 20010313 | System for ranking the relevance of information objects accessed by computer users  | 706/45  | Rose, Daniel E. et          |

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| US 6260192 B1 | 20010710 | Filtering system based on pattern of usage   | 725/39    | Rosin, Robert et al.        |
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| US 6028600 A  | 20000222 | Rotary menu wheel interface  | 345/718   | Rosin, Robert et al.        |
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| US 6112181 A  | 20000829 | Systems and methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information | 705/1     | Shear, Victor H. et al.     |
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| US 6496816 B1 | 20021217 | Collaborative filtering with mixtures of bayesian networks   | 706/52    | Thiesson, Bo et al.         |
| US 6408290 B1 | 20020618 | Mixtures of bayesian networks with decision graphs   | 706/52    | Thiesson, Bo et al.         |
| US 6345265 B1 | 20020205 | Clustering with mixtures of bayesian networks  | 706/52    | Thiesson, Bo et al.         |
| US 6336108 B1 | 20020101 | Speech recognition with mixtures of bayesian networks  | 706/20    | Thiesson, Bo et al.         |
| US 6357010 B1 | 20020312 | System and method for controlling access to documents stored on an internal network  | 713/201   | Viets, Richard R. et al.    |